

Work Order ID **94336**

December-10-12 9:59:26 AM

#73594

**\*94336\***

PRELIMINARY ISSUE

Page 1

Item ID: D4714-1

Revision ID: PRELIM

Item Name: Channel

Start Date: 10/12/2012 Start Qty: 1.00

Required Date: 17/12/2012 Req'd Qty: 1.00

Reference:

Accept

**\*N900040100\***Setup Start **\*NS1\***Stop **\*NS2\***

Cust Item ID:

Customer:

Approvals:

Process Plan: MLSDate: 12-12-10 Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start **\*NR1\***Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D4714

pa3

100

0.00

**\*100\***

FLOW WATER JET

Waterjet

Memo

0.00

FLOW CNC Waterjet

1-Cut as per Dwg

Dwg Rev: PA3Prog Rev: PA3

2-Deburr if necessary

301 18GA 1/4 HARD

1 0 Jm 12-12-12

110

QC2- Inspect parts off machine FAI/FAIB

0.00

**\*110\***

QC

Memo

0.00

Quality Control

1 0 Jm 12-12-12

120

QC8- Inspect parts - second check

0.00

**\*120\***

QC

Memo

0.00

Quality Control

AS  
15  
12-12-12

inspected per  
Dwg PAS

# Work Order ID 94336

December-10-12 9:59:26 AM

**\*94336\***

Page 2

Item ID: D4714-1

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID: PRELIM

Stop **\*NS2\***

Item Name: Channel

Start Date: 10/12/2012 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 17/12/2012 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 <b>*130*</b> Brake NC Brake NC	Form as per dwg NC BRAKE  Memo	0.00  0.00				1			SB 12/12/17
140 <b>*140*</b> QC Quality Control	QC5- Inspect part completeness to step on W/O  Memo	0.00  0.00							DAS 15 9-03 12/12/17  As per as per dwg PMS
150 <b>*150*</b> Packaging Packaging	Identify as per dwg & Stock Location: _____  Memo	0.00  0.00							

**Work Order ID 94336**

December-10-12 9:59:26 AM

**\*94336\***

Page 3

Item ID: D4714-1

Revision ID: PRELIM

Item Name: Channel

Start Date: 10/12/2012 Start Qty: 1.00

Required Date: 17/12/2012 Req'd Qty: 1.00

Reference:

Accept

**\*N900040100\***Setup Start **\*NS1\***Stop **\*NS2\***

Cust Item ID:

Customer:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160	QC21- Final Inspection - Work Order Release	0.00							
<b>*160*</b>									
QC	Memo	0.00							
Quality Control									

POSITIVE RECALL

EFFECTIVE 12.12.10 AUTH 12-12-11

RELEASED \_\_\_\_\_ DATE \_\_\_\_\_

# Picklist Print

December-10-12 9:59:30 AM

Page 1

Work Order ID: 94336

\*94336\*

Parent Item: D4714-1

\*D4714-1\*

Parent Item Name: Channel

Start Date: 10/12/2012

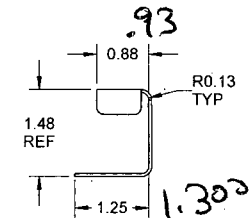
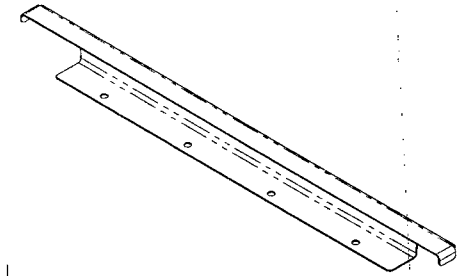
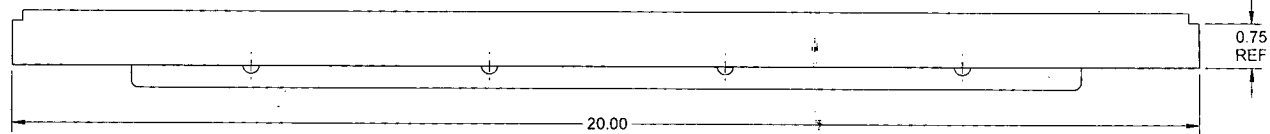
Required Date: 17/12/2012

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.08.30 NEW ISSUE DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M301S18GA		Purchased	No				sf	1.5000		0.527368			
*M301S18GA*									**	0.6			Jm12-12-12
301 SS Sheet - 1/4 hard													
					<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>			
					MAT020			1.5					
					123842			1.5					
					123997					123997			



# **E4714-1 CHANNEL**

SHOWN  
REF TO  
ENGINEER  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITH A  
WORK ORDER  
NO. 94336 MLS  
12-12-10

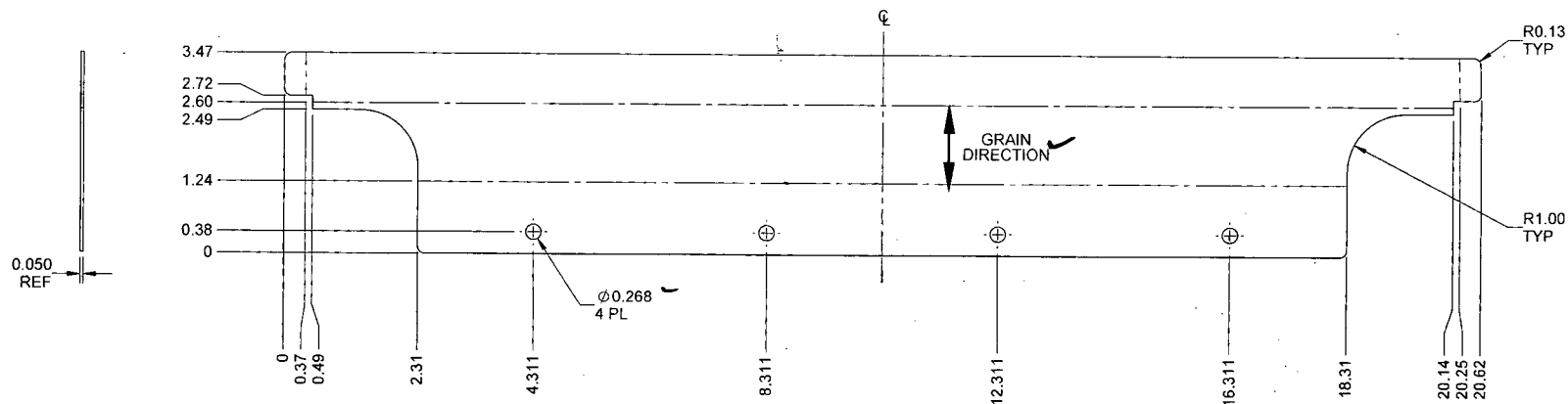
- NOTES:
- 1) MATERIAL: MADE FROM E4714-1F
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
  - 7) WEIGHT: 0.86 lbs

PA3	NEW ISSUE		12.12.03
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	12.12.03		

**EAGLE COPTERS LTD**  
CALGARY, ALBERTA, CANADA  
DRAWING NO. **E4714**  
REV. PA3  
SHEET 1 OF 2  
TITLE **CHANNEL**  
SCALE  
NTS

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94336



**E4714-1F FLAT PATTERN**

**NOTES:**

- 1) MATERIAL: AISI 301 STAINLESS STEEL SHEET, 18 GAUGE, 1/4 HARD MINIMUM  
PER AMS 5517 OR AMS 5518 OR AMS 5902  
OR AMS 5519 OR ASTM A666  
REF DART SPEC M301S18GA
- 2) FINISH: ANNEALED 2B FINISH
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.86 lbs

DESIGN		<b>EAGLE COPTERS LTD</b>	
DRAWN		CALGARY, ALBERTA, CANADA	
CHECKED		DRAWING NO.	REV. PA3
MFG. APPR.		<b>E4714</b>	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		<b>CHANNEL</b>	NTS
DATE	12.12.03	<small>COPYRIGHT © 2012 BY EAGLE COPTERS LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD</small>	



# Receiving Report

Date: 12-12-11  
 Supplier: mc master

Batch No: 123997  
 Dart P/O: 18665

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☒ No ☐  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☒  
 Waybill Attached: Yes ☒ No ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☒  
 QC6 Inspection ☐ N/A ☒  
 Work Order ☐ N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12

SP

Production/Admin: 12-12-11  
 Date  
 Received/Costing  
 Initial SP

Location \_\_\_\_\_



# Purchase Order Receipt Listing

Page 1 of 1

Tuesday, December 11, 2012 12:56:07 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO18615 Receipt Dates from 12/11/2012 to 12/11/2012 All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name VU-MCM001 McMaster-Carr Supply Co,											
PO18615	1		M301S18GA	sf	12/11/2012	12/11/2012	3.0000	\$24.17	0.0000	0	\$72.50
USD	No		301 SS Sheet - 1/4 hard 123997	sf	3.0000	DESJ02		\$72.50	0.0000	0	
	2		71500-11	Each	12/11/2012	12/11/2012	6.0000	\$56.97	0.0000	0	\$341.82
	No		15405111 COLOR GREEN INSPECTION TAGS 123997		6.0000	DESJ02		\$341.82	0.0000	0	
	3		71500-11	Each	12/11/2012	12/11/2012	3.0000	\$9.63	0.0000	0	\$28.89
	No		8493A146 REMOVABLE BUSHING 123997		3.0000	DESJ02		\$28.89	0.0000	0	
	4		71500-15	Each	12/11/2012	12/11/2012	1.0000	\$16.90	0.0000	0	\$16.90
	No		7260A12 6" ADJ WRENCH 123997		1.0000	DESJ02		\$16.90	0.0000	0	
	5		71500-15	Each	12/11/2012	12/11/2012	2.0000	\$15.98	0.0000	0	\$31.96
	No		25605A75 TAP HANDLE 0-1/2 123997		2.0000	DESJ02		\$31.96	0.0000	0	

Total Received Quantity: 15.0000  
Total Qty to Inspect (PO U/M): 0.0000  
Total Reject Quantity: 0.0000  
Total Receipt Value: \$492.07  
Total Balance Due Quantity: 0.0000

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

**Purchase Order**  
**PO18615**

Page 1 of 2

McMaster-Carr Number  
**4882842-01**

12/10/2012

A83

Line	Description	Ordered	Shipped		
1	1217T27 Wear-Resistant Stainless Steel (Type 301), .048" Thick, 12" X 36", 1/4 Hard	1 Each	1	8 - 53 - 39	87 - 29 T27 1 EA
	Unit Price: \$72.50				
	Extended Price: \$72.50				
2	15405T11 Color-Coded Material Management Cardstock Tag, "Inspected", Green, Packs of 1000	6 Packs	6	3 - 698	
	Unit Price: \$56.97				
	Extended Price: \$341.82				
3	8493A146 Removable Drill Bushing, 0.25" (1/4") ID, 1/2" OD, 3/4" Length	3 Each	3	2 - 494	
	Unit Price: \$9.63				
	Extended Price: \$28.89				

Dart Aerospace Ltd

EXP  
INV  
NAFTA

**Lg**

38x12x12

40 lbs  
5 lines

FW1RF1  
12/10/2011  
12:09/12:27  
113  
Cycle 36

1140587794883





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO18615

Purchase Order Date 12/10/12

PO Print Date 12/10/12

Page Number 1 of 2

Order From :

MCMaster-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

VU-MCM001

Contact Name

Vendor Phone 330 995 5500

Vendor Fax 330 995 9600

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

10127-2607

Net 10

USD

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAKED**  
12/12/12

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M301S18GA	301 SS Sheet - 1/4 hard	12/11/12 Yes	3.00 sf	FedEx PI collect	\$24.1667	\$72.50
		<b>Special Inst:</b> MATERIAL: AISI 301 SS SHEET MINIMUM 1/4 HARDNESS (NOT ANNEALED) 2B FINISH AS PER AMS 5517 OR AMS 5518 OR AMS 5902 OR AMS 5519 OR ASTM A666 WITH MIN. FTU = 125 KSI & MIN FTY = 75 KSI MCMaster P/N: 1217T27 X 1 PCS 12" X 36"					
2		15405T11 COLOR GREEN INSPECT:ON TAGS	12/11/12 Yes	6.00 Each	FedEx PI collect	\$56.9700	\$341.82

Deliver To: ERIC.D

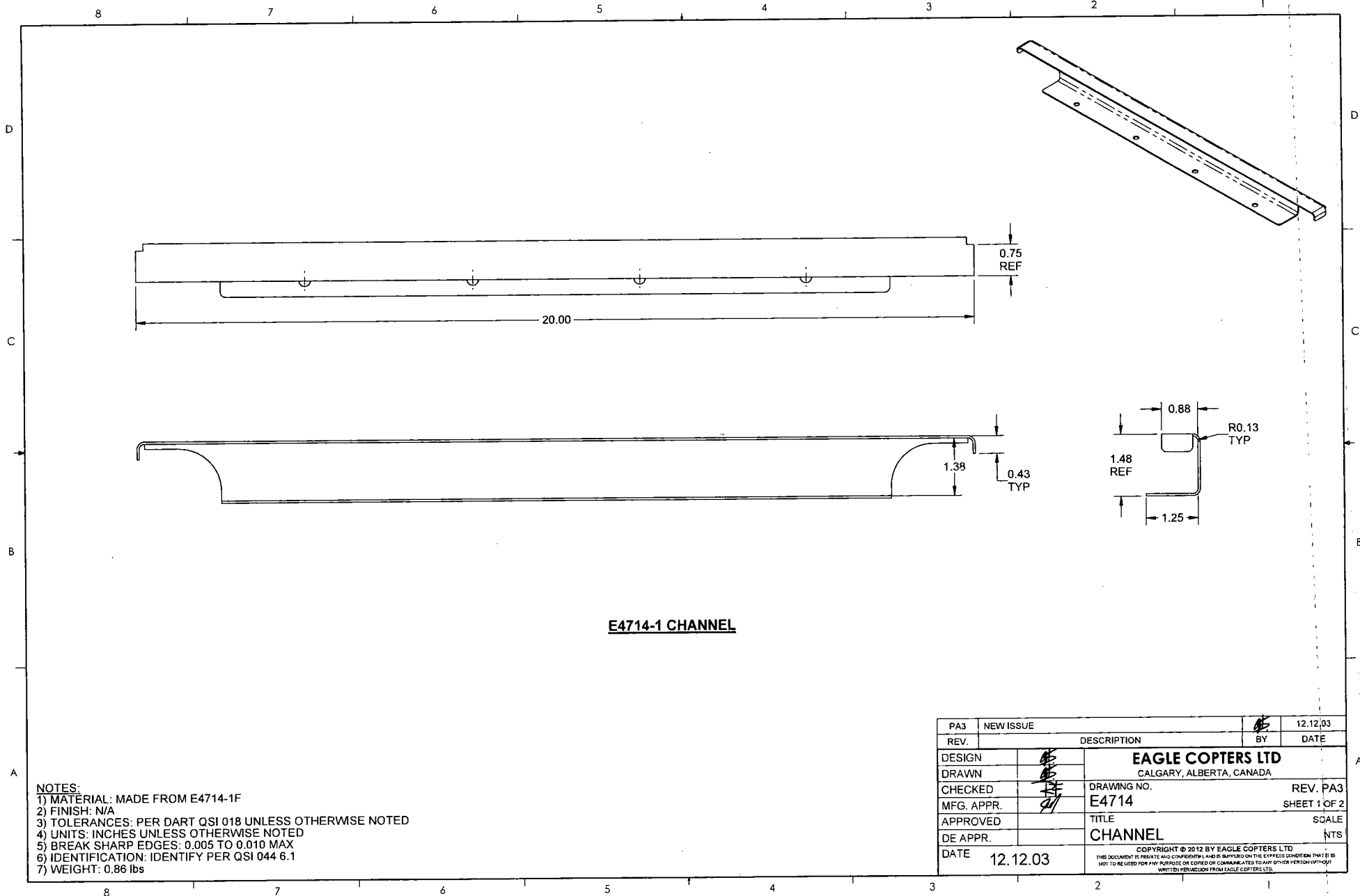
No substitution or deviation without consent.  
Certificate of Conformity or Material Certification required YES NO

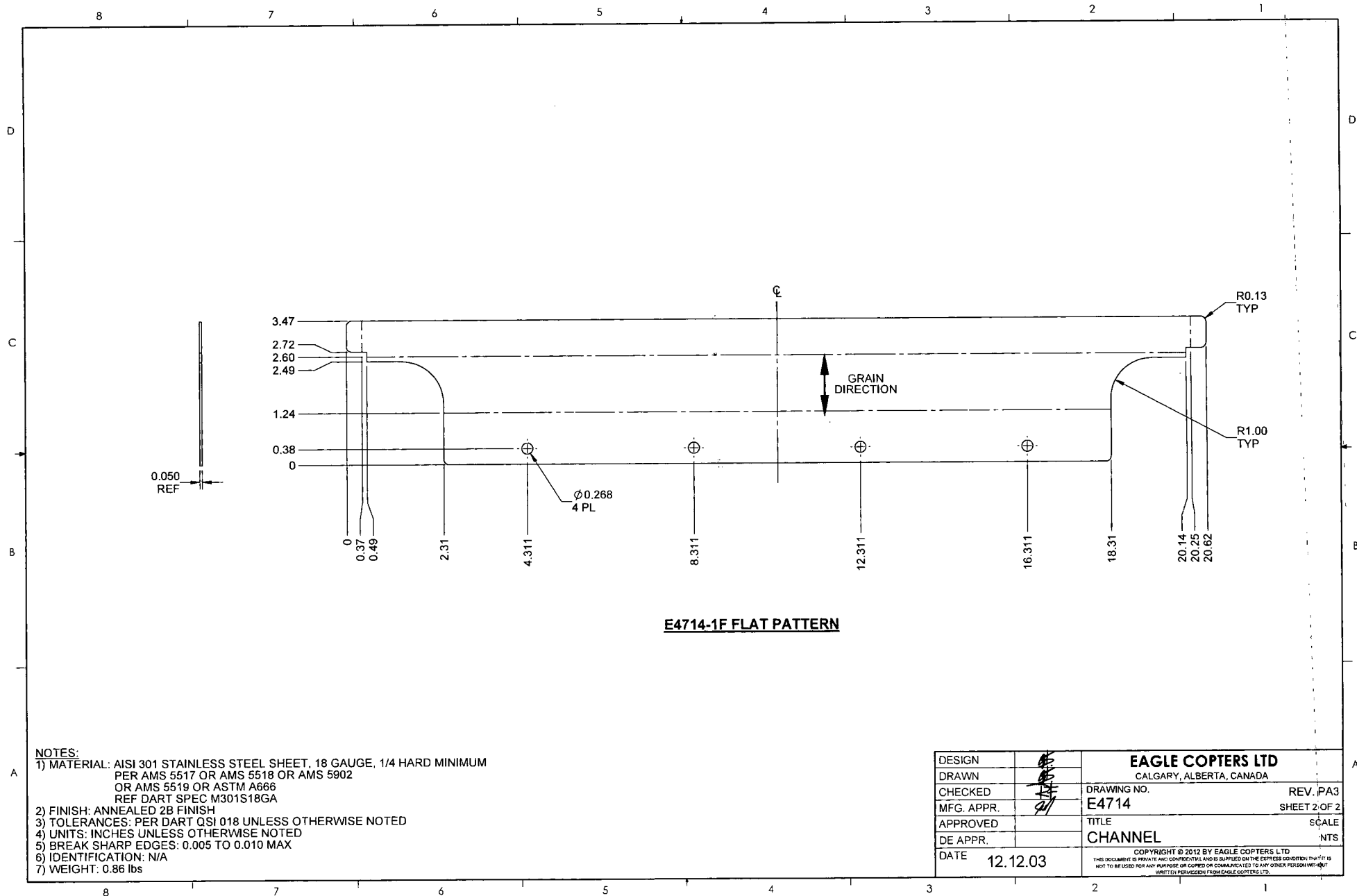
Change Nbr: 2


Change Date: 12/10/12

812-12-11







1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE Form One</b>			3. Form Tracking Number: ED-2012-12-17-1	
4. Organizations Name and Address: <b>Dart Aerospace Ltd.,</b> 1270 Aberdeen Street, Hawkesbury, Ontario, K6A 1K7, CANADA Tel: 1 (613) 632-5200 Fax: 1 (613) 632-5246 www.dartaero.com					5. Work Order/Contract/Invoice Work Order 94336	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:	
1	Channel	D4714-1	1	B94336	PROTOTYPE	
12. Remarks: <b>"NOT ELIGIBLE FOR INSTALLATION ON IS-SERVICE TYPE CERTIFIED AIRCRAFT"</b> <b>"THIS ITEM CONFORMS TO DATA THAT IS NOT APPROVED AT THE TIME OF RELEASE, SUBJECT TO APPROVAL OF THE DATA, THE ITEM IS IN CONDITION FOR SAFE OPERATION."</b>						
13a. Certifies that the items identified above were manufactured in conformity to:  <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input checked="" type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release  <input checked="" type="checkbox"/> Other regulations specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12, has been performed in compliance with the <i>Canadian Aviation Regulations</i> .			
13b. Signature 		13c. Approval Organization Number <b>9-89</b>		14b. Signature		14c. Approved Organization Number
13d. Name <b>Eric Downing</b>		13e. Date (dd/mm/yyyy): <b>17/Dec/2012</b>		14d. Name		14e. Date (dd/mm/yyyy):
30 Dec 2008(Previously form 24-0078)						
<b>Installer Responsibilities</b>  This certificate does not constitute authority to install.  Installers working in accordance with the national regulations of a country other than the authority specified in Block 1, must ensure that their regulations recognize certifications from the country specified.  Statements 13a or 14a do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.						